

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1315452

Luminaire Tested: LDSQA3D09R309735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

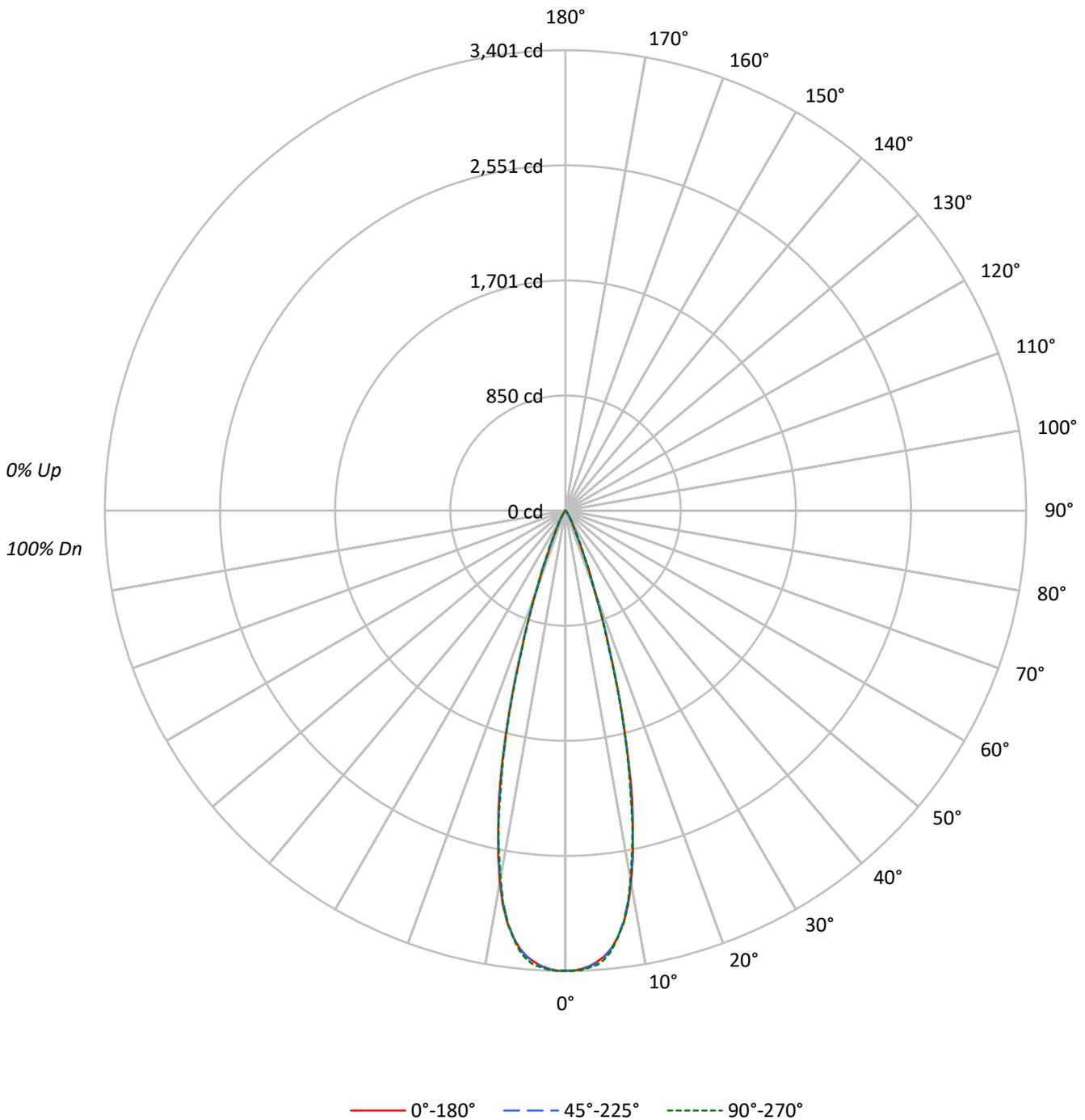
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1315452
CATALOG NUMBER: LDSQA3D09R309735DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





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CATALOG NUMBER: LDSQA3D09R309735DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	91	89	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	585350	585350	585350
5°	571076	571785	574966
10°	487739	485483	482615
15°	300985	297472	298560
20°	113759	114382	114254
25°	35003	38366	36542
30°	14100	17898	14656
35°	4163	7611	4310
40°	1686	3058	1686
45°	341	999	341
50°	0	188	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm



TEST NUMBER: P1315452

CATALOG NUMBER: LDSQA3D09R309735DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	34.2
10°-20°	443.8	50.6
20°-30°	110.1	12.6
30°-40°	20.7	2.4
40°-50°	2.6	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	853.7	97.3
0°-40°	874.4	99.7
0°-60°	877.0	100.0
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3399	3399	3399	3399	3399	
5°	3303	3302	3307	3313	3326	300
15°	1688	1672	1668	1681	1674	446
25°	184	196	202	201	192	106
35°	20	26	36	27	20	17
45°	1	2	4	3	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CATALOG NUMBER: LDSQA3D09R309735DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3398.8	3398.8	3398.8	3398.8	3398.8
1°	3400.2	3397.4	3397.4	3393.3	3400.8
2°	3387.9	3385.1	3389.9	3386.5	3396.1
3°	3369.5	3366.0	3372.9	3374.9	3379.7
4°	3342.2	3339.4	3346.9	3351.0	3364.0
5°	3303.3	3301.9	3307.4	3312.8	3325.8
6°	3250.1	3248.0	3251.5	3258.3	3266.5
7°	3173.0	3168.9	3171.7	3173.0	3175.1
8°	3075.5	3069.3	3065.9	3073.4	3077.5
9°	2950.0	2943.2	2935.7	2932.9	2942.5
10°	2789.0	2778.8	2776.1	2769.2	2759.7
11°	2602.1	2593.9	2591.9	2579.6	2574.2
12°	2387.9	2383.9	2388.6	2381.1	2378.4
13°	2182.6	2156.7	2153.3	2139.0	2131.5
14°	1939.8	1916.0	1915.3	1907.8	1918.0
15°	1688.1	1671.8	1668.4	1681.3	1674.5
17.5°	1076.3	1087.2	1084.5	1077.7	1066.1
20°	620.7	613.2	624.1	626.8	623.4
22.5°	330.8	333.5	335.6	343.8	349.2
25°	184.2	196.4	201.9	201.2	192.3
27.5°	114.6	122.1	132.3	125.5	118.0
30°	70.9	77.1	90.0	77.8	73.7
32.5°	38.2	48.4	58.0	48.4	39.6
35°	19.8	25.9	36.2	26.6	20.5
37.5°	13.0	15.0	23.2	15.0	13.0
40°	7.5	9.5	13.6	9.5	7.5
42.5°	3.4	5.5	7.5	5.5	3.4
45°	1.4	2.0	4.1	2.7	1.4
47.5°	0.0	0.7	2.0	0.7	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315452
CATALOG NUMBER: LDSQA3D09R309735DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)